Works on Great Northern Railway South of Doncaster.—At the intersection, near Doncaster, of the Sheffield and Rotherham road, there is a large brick tunnel bridge—length of arch 200 feet, width 197 feet—built by Mr. Morton, contractor, under Messrs. Peto and Betts. After crossing the Carr drainage, the contract of Mr. Morrel commences, and extends to 3 miles of Bawtry. The Rossington bridge is built on the skew, at an angle of 38 degrees—span 26 feet, width 25 feet. Further on are two flying arches springing from layers of brickwork, on the banks of a cutting 16 feet deep. The contract of Mr. Morton, under Messrs. Peto and Betts, succeeds the one just named. The great north road is crossed by a skew bridge, angle 33 degrees, and built on square abutments: span of arch 52 feet 8 inches, width of bridge 35 feet 3 inches, height 24 feet. It contains between 400,000 and 500,000 bricks. The stations and lodges were designed by Mr. H. Goddard, of Lincoln, architect. Near the junction with the Manchester, Sheffield, and Lincoln line, the Chesterfield Canal is crossed by a bridge constructed of tubular girders, like one over the Don at Doncaster. The width of this bridge between the buttresses is 25 feet, and it crosses at an angle of 32 degrees.

Churchyard Monuments.—It must have pained many of your readers, more especially those who have been visitants to our cemeteries, to have witnessed that many monuments, which have been erected so recently as three or four years since, are already evincing symptoms of rapid decay, being discoloured, cracked, and unsightly, whilst the most important part of all, the inscription, is scarcely legible; and therefore, in lieu of being ornaments to a place, are really disfigurements. To a ground abounding with such monuments as these, the grassy tombless graveyard of the Society of Friends is preferable. What a contrast modern tributes of affection and respect to the dead bear to those raised by our forefathers, who did such things in earnest! It is a great boon to us that they were not moved by a contract or low-priced spirit, or our minsters and other hallowed spots would not allow us to boast of so many beautiful specimens of art, which the scythe of Time has spared to us.—H.

Increase of Houses, &c., in the Metropolis.—Returns just published by order of the House of Commons show that the total number of new houses built within the metropolitan police districts, since January 1, 1839, up to the present time, amounts to 64,058; and the number of new streets formed to 1,652,—200 miles in length. The increase of population, from 1839 to 1849, within the said district, is estimated at 325,904; the total population of the metropolitan districts being now about 2,336,960.

Arch at Glasgow.—In commemoration of the Queen's visit, the town council talk of perpetuating in stone the temporary arch raised at the bridge. If a sketch of it which was forwarded to us be correct, we advise the town council to think twice before they do so.

TO CORRESPONDENTS.

Received.—"R. D." (send us the particulars of award. We do not observe it in our packet). "R. B." (the proposed fence to railway platforms does not seem to us desirable). "R. T." (shall appear). "S. T. J." (an Arnott's valve in the chimney, close under ceiling, will ameliorate). "Past Student." "J. J." (was too late). "W. C." "S." "Reader of 300 Builders" (shall appear). "D. D." "Baron." "B. J. W." (write to the secretaries, Grosvenor-street, London, and they will forward conditions). "W. A. R." Chester (as are compelled to decline recommending). "J. F." Devonport. "G. L. A." (the letter shall be forwarded). "E. I'A." (the particulars referred to were not inclosed). "J. S." "Festina lente" (shall appear). "W. L. G." "W. L. H." (we shall be glad to see the drawings). "Z." "W. Q." (the illustration in question is in No. 239, vol. vi., p. 43, which is now out of print). "J. Q." (we will make some private inquiries before adverting, although we have no time to spare). "Building Materials" (shall appear). "H. T. E." "An Associate of I.B.A." "P. E. H. P." (some notice shall appear). "The New Testament in Short Hand, lithographed from the M.S. of Thomas Coggin." 1849. Nisbet, Berners-street: "A Treatise on Benefit Building Societies," by Arthur Scratchley, M.A.; London, John W. Parker, 1849: "Rudimentary Treatise on the Drainage of Towns and Buildings," by G. D. Dempsey, C.E.; Weale, London, 1849.

"*Books and Addresses.*"—We have not time to point out books or find references.

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These Pencils are prepared in various degrees of hardness and shades.

H H H for drawing on wood.	F F light and shading.
H H for architectural use.	F for general use.
H H for engineering.	B black for shading.
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B for tracing.	B B B B ditto ditto
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MEMBERS of BOARDS of HEALTH are especially directed to the most EFFECTIVE MEANS which they can adopt to prevent the injurious and often FATAL EFFECTS upon the HEALTH of the COMMUNITY, arising from exhalations that are produced from moisture, decayed animal matter as in graveyards, stagnant water, and collections of fœtid refuse, tending to produce a miasmatic state of atmosphere. In situations so affected, the Impermeability of the ASPHALTE of PARNELL renders it the most perfect PAVEMENT or COVERING that can be relied upon for hermetically closing, and thereby preventing, the rising of moisture and the escape of noxious vapours. The present extensive application of this material for covering roads, terraces, and arches, for preventing the percolation of wet, is strong evidence of its effectiveness for the above purposes, which is further confirmed by the following extract from the Report of the COMMISSIONERS on the FINE ARTS.

L. FARRELL, Secretary

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"In 1838, I superintended the construction of a house of three stories on the Lac d'Enghien. The foundation of the building is constantly in water, about 19½ inches below the level of the ground floor. The entire horizontal surface of the external and internal walls was covered at the level of the internal ground floor with a layer of NEVCHEL ASPHALTE," less than half an inch thick, over which concrete mixed was spread. Since the above date, no traces of damp has shown itself round the walls of the lower story, which are for the most part painted in oil, of a grey stone colour. It is well known that the least moisture produces round spots, darker or lighter, on walls so painted. Yet the pavement of the floor, resting on the said Asphalte, is only about ¾ inches above the external surface of the soil, and only 19½ inches, at the utmost, above that of the sheet of water. The layer of Asphalte having been BROKEN AND REMOVED, for the purpose of inserting the sills of two doors, spots indicating the presence of damp have been since remarked at the base of the door-posts."

* This method has been adopted at the new Houses of Parliament.

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REDUCED LIST OF PRICES

	First size, 11 by 8.	Second size, 16 by 9
Plain Iron Valve	£ 6 0	£ 9 6
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Ditto with Trellis-work	12 0	17 0
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Manufactured by HART and SONS, 83, 84, 85, Wych-street, Strand, London.

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	With trellis fronts.	With brass frame and trellis bronished and lacquered or bronzed.
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No. 0—10 by 7½ japd bronze	8 0	
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No. 2—12½ by 10½ gold beads	22 0	28 0	29 0
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On receipt of a post-office order (payable at 68, High Holborn), including 6d. extra for package, any of the above sizes will be forwarded to any part of the country, with a sheet of drawings and full directions for fixing, &c.

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Two Feet Long—								
18	15	14	12	10	9	8	6	4
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And all other kind of pipes reduced in same proportion.

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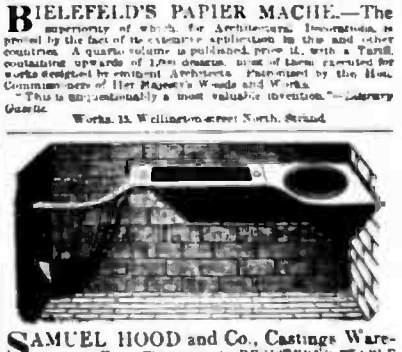

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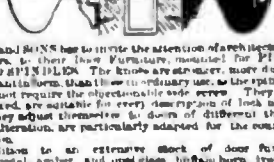

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